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| 2 / 15 | | | | | | | |
|--------------------------|----------------------------|---|---|---|--|---------------------------------|--|
| | | 1210 | | | | | |
| ANGLE | VALUE A | 0 | 0 | 0 | β 2 | π 2 | |
| AXIS TRANS- FORMATION | MATRIX Mc | 0 0 1 0 1 0 0 1 0 0 0 | 0 0 1 0 1 0 0 1 0 0 0 | 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 | 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 1 | 0 0 1 0 0 0 0 0 0 0 0 1 | |
| COMPONENT TRANS- | FORMATION MATRIX Ma | [0 0 1 0] 1 0 0 0 0 -1 0 0 [0 0 0 1] | [0 0 1 0] 0 1 0 0 1 0 0 0 0 0 0 1] | 0 0 0 0 0 1 0 0 0 0 -1 0 0 0 0 1 | 0 1 0 0 1 0 0 0 0 0 1 0 0 0 0 1 | -1 0 0 0 0 1 0 0 0 0 -1 0 | |
| CONFIGULATION | MASTER AXIS | NOT DESIGNATED | NOT DESIGNATED | NOT DESIGNATED | В | ٨ | |
| | TOOL AXIS | 2 | 2 | × | Z | Z | |
| | SECOND ROTATION AXIS | O | O | ∢ | В | А | |
| | FIRST ROTATION AXIS | ∢ | Ф | Ф | ∢ | ω | |

FIG. 3

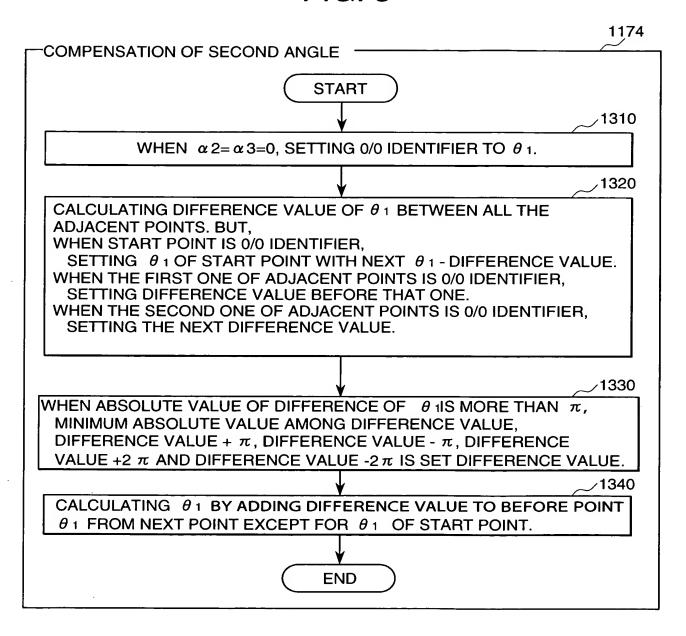
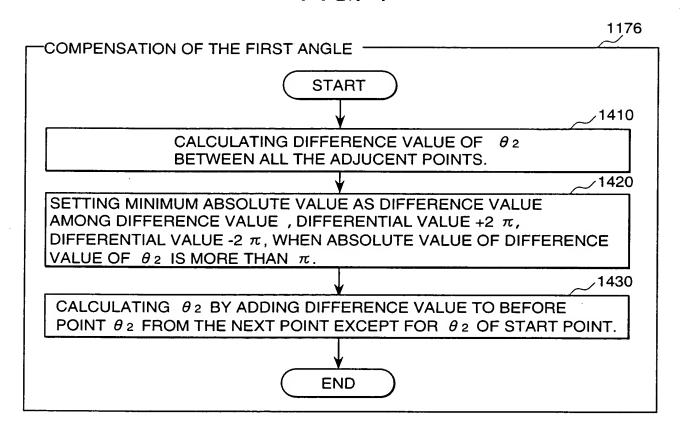


FIG. 4



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77. 2

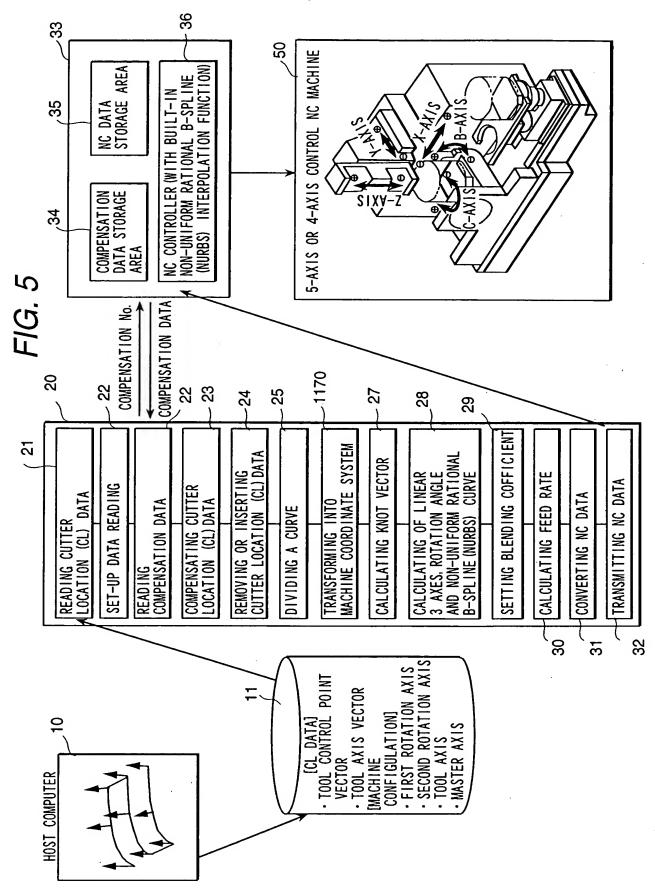
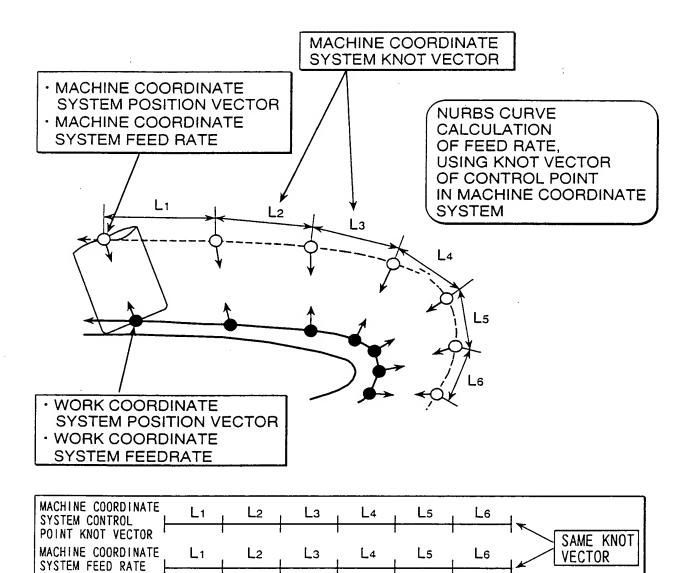


FIG. 6



KNOT VECTOR

7

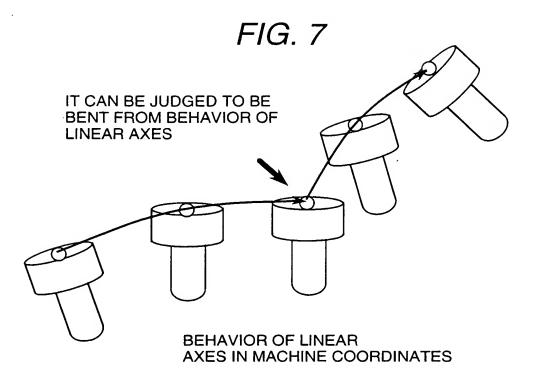
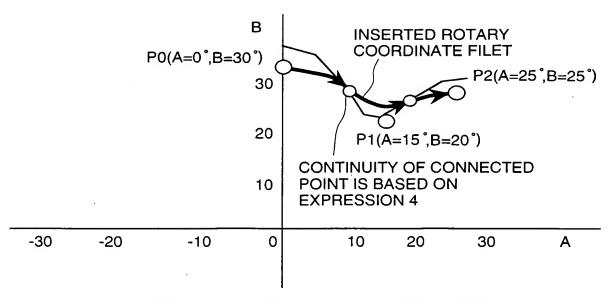
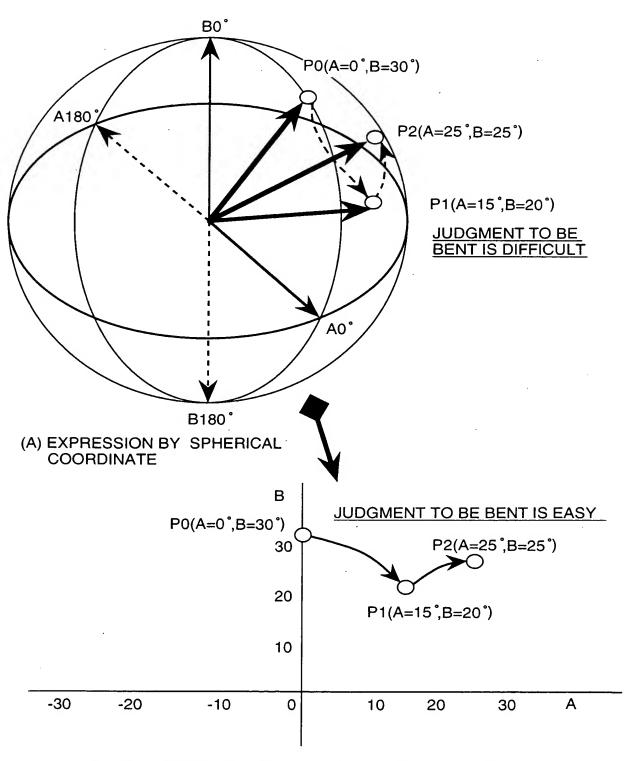


FIG. 9



FILET INSERTION IN EXPRESSION BY CONVERSION INTO ROTARY COORDINATE SYSTEM

FIG. 8

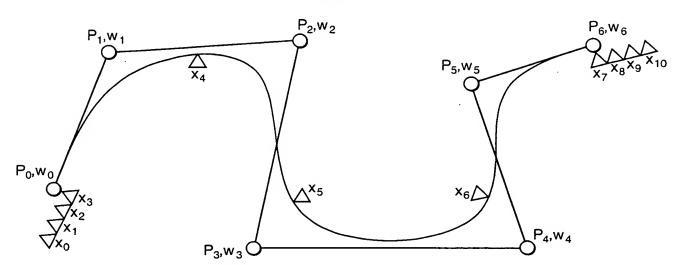


(B) EXPRESSION BY ROTARY COORDINATE SYSTEM

(c) (p) 3 (Sec. NURBS INTERPOLATION MACHINING (mim/m) STAR (DEST (a) SPECIFIED FEED RATE (18m/min) [PRIOR ART] LINEAR INTERPOLATION MACHINING AVERÀGĖ FEED RATE 3 (Sec) 15 9 FEED RATE (m/min)

FIG. 10

FIG. 11



NURBS CURVE FORMED FROM NURBS CONTROL POINTS $P_0 \sim P_n$

FIG. 12

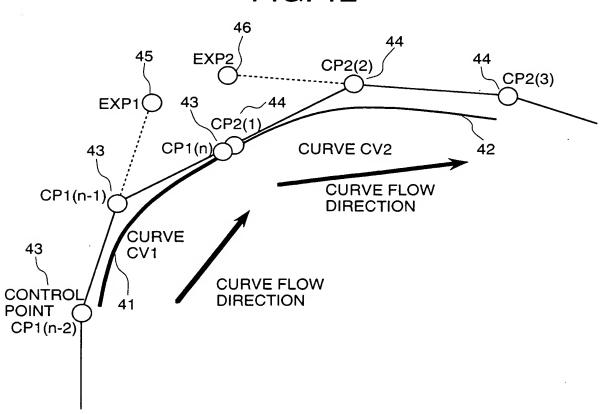
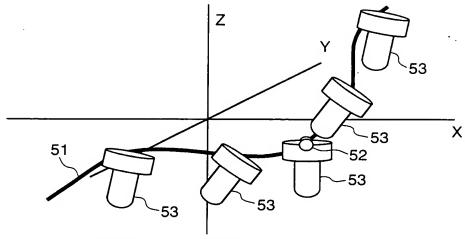
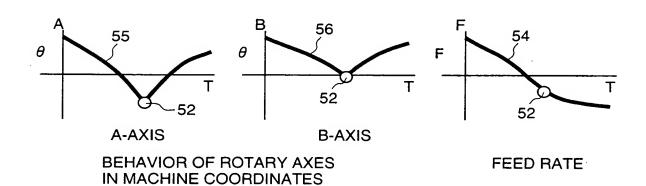


FIG. 13



BEHAVIOR OF LINEAR COORDINATE AXES IN MACHINE COORDINATES

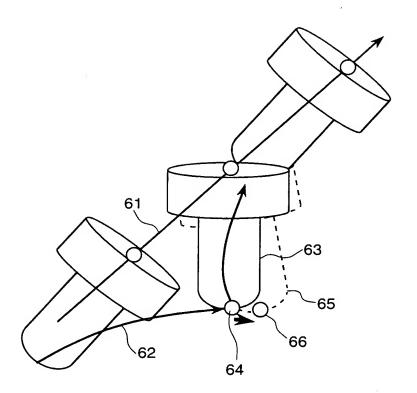


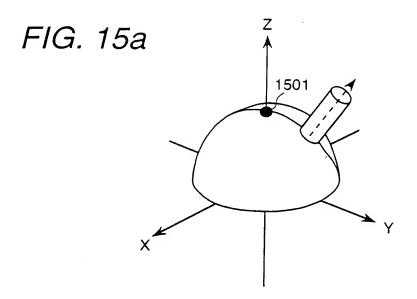
B-AXIS

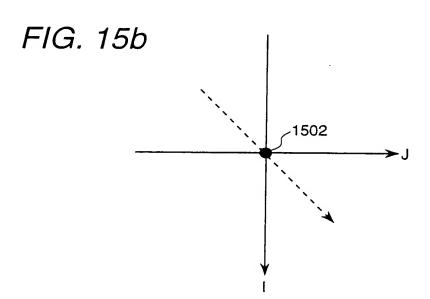
BEHAVIOR OF ROTARY AXES IMPROVED IN RAPID CHANGE

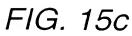
A-AXIS

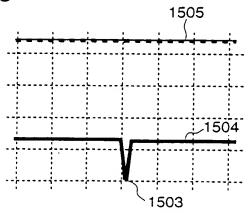
FIG. 14

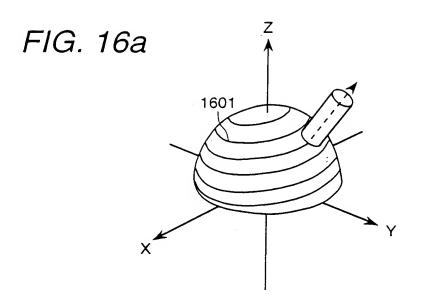


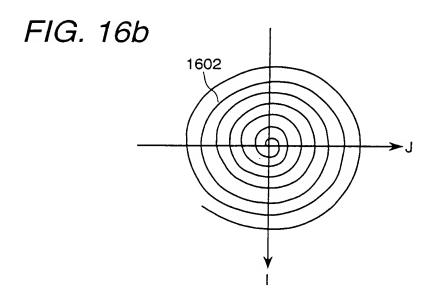


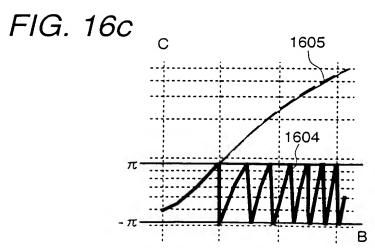


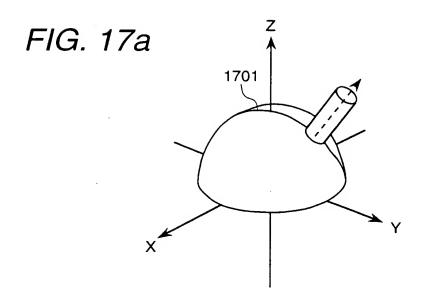












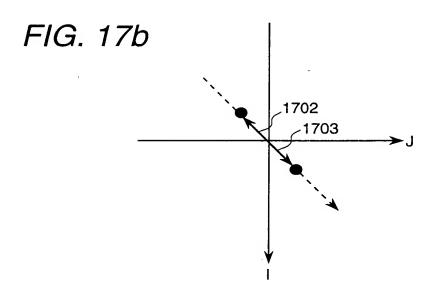


FIG. 17c

